

at least one first highly refractive oxide or nitride layer between the absorber layer and the metallic layer of the window electrode.

Sub B7 contd
16. (New) A thin-film solar cell according to Claim 15, wherein at least one of the dielectric layers is composed of zinc oxide.

17. (New) A thin-film solar cell according to Claim 15, wherein the metallic layer is composed of silver or silver alloy and the antireflective layer is a highly refractive oxide or nitride layer.

Al contd
18. (New) A thin-film solar cell according to Claim 15, wherein the window electrode is formed by a succession of layers comprising at least one dielectric layer, said metallic layer, and another dielectric layer.

19. (New) A solar cell according to Claim 15, wherein the window electrode comprises in succession said first highly refractive layer, said first metallic layer, a second highly refractive layer, a second metallic layer, and said antireflective layer.

20. (New) A thin-film solar cell according to Claim 15, wherein at least one of the highly refractive layers is composed of one of the oxides ZnO, SnO₂, BiO_x, TiO₂, Al₂O₃ and/or one of the nitrides AlN, Si₃N₄.

Sub B8
21. (New) A thin-film solar cell according to Claim 15, further comprising a second electrode composed of at least one metallic layer and one highly refractive oxide or nitride layer.

22. (New) A thin-film solar cell according to Claim 15, wherein the metallic layer of the window electrode, particularly a silver layer, has a thickness of less than 20 nm, and the total thickness of the window electrode is less than 120 nm.

23. (New) A thin-film solar cell according to Claim 15, wherein a blocking layer is disposed between the metallic layer and one of the highly refractive layers.

Sub B8
Cont'd

24. (New) A process for manufacture of a thin-film solar cell comprising an absorber layer as well as at least one transparent window electrode dispersed on a side on which light is incident, with at least one metallic layer and one antireflective layer applied on the side on which light is incident, wherein it is manufactured in such a way that at least one highly refractive oxide or nitride layer is provided between the absorber layer and the metallic layer of the window electrode.

25. (New) A process according to Claim 24, wherein the window electrode is formed by a succession of layers with one thin metal-base layer between two highly refractive oxide or nitride layers.

26. (New) A process according to Claim 24, wherein the window electrode is formed by a succession of a first conductive dielectric or transparent layer, of the metal-base conductive layer, and of another conductive dielectric or transparent layer.

27. (New) A process according to Claim 24, wherein the solar cell comprises a second electrode also made with at least one thin metallic layer and one highly refractive oxide or nitride layer.

28. (New) A process according to Claim 24, wherein the solar cell is made with an absorber layer of chalcopyrite.

IN THE ABSTRACT OF THE DISCLOSURE

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